

Automatic Swing Door Systems

## TORMAX iMotion 1401

The Invisible Power  
for More Design Freedom.

★★★★★  
**TORMAX**  
AUTOMATIC

# The Invisible Door Drive



Slimline glass swing doors are difficult to automate without using visible drive technology, as are the heavy doors found in historical buildings, where monument preservation orders can also prove problematic. TORMAX has developed the iMotion 1401 precisely for implementing installations like these without having to make any compromises. It becomes a genuine alternative wherever top-class door automation is required and a visible drive unit is unsuitable for architectural design reasons.

**Superior performance** The powerful, quiet drive with its maintenance-free, permanent-magnet synchronous motor is fully recessed into the floor, with an installation depth of just 125 mm, and acts directly on the rotational axis of the door. This means it can also serve as the lower pivot bearing. It delivers plenty of power for automating doors up to 600 kg in weight.

**Integrated security** The iMotion control unit with its obstacle recognition ensures an above-average level of personal safety in both directions, opening and closing. The opening movement and the door open time can be saved in two different predefined settings for the door.

**Maintenance-free operation** The iMotion 1401 is maintenance-free, even periodically no parts need to be replaced or overhauled. The drive is certified to protective class IP67, and therefore resistant to water, humidity and soiling.

**The ideal configuration for every situation** Numerous different options allow the ideal design for each particular door. From the configuration of the movement parameters, to the location of the external control unit, to the design with locking system for fire-protection doorways, the door system has endless possibilities.

Door drive is invisibly mounted in the floor.

The ideal door drive for architectural design freedom.



# Product Features at a Glance

- › Invisible door drive for modern or historical buildings with heavy entrance doors
- › The drive is invisibly mounted in the floor, no linkage
- › Door leaf weight up to 600 kg
- › Protective class IP67
- › Also available in certified version for fire-protection doors

Swing door drive	<p>Non-wearing synchronous motor</p> <p>The drive can serve as the lower pivot bearing for doors up to 450 kg in weight</p> <p>Integrated, adjustable stops in opening and closing directions</p> <p>Modular, programmable TORMAX iMotion microprocessor control unit with excellent functionality, extensive monitoring and diagnostic functions</p> <p>Control unit box can be positioned freely whatever the drive unit</p>
Operation	<p>For exterior and interior doors</p> <p>Very quiet, dynamic movement</p> <p>High degree of personal safety thanks to the ability to use the latest sensors</p> <p>3-position operating mode switch or user interface with 5 operating modes and status displays</p> <p>Adjustable opening and closing speed</p> <p>Door-closer function in the event of a power failure</p>
Options	<p>Flush-mounting recessed frames for floor coverings up to 20 mm thick with longer drive shaft</p> <p>Stainless steel cover plate with seal, placed on the floor</p> <p>Acoustically insulated door arm with panic device</p> <p>Acoustically insulated door arm for eccentrically mounted doors</p> <p>Battery module for emergency operation</p> <p>Additional operating components</p> <p>Integration of external impulse generators such as card readers, buttons etc.</p> <p>Safeguarding the main and secondary closing edges with safety sensors</p> <p>Connection to building management and access system</p>
Approvals	<p>CE (EN 16005 / DIN 18650; TÜV certified)</p> <p>UL 325</p> <p>Locking system (DIBt approval Z-6.5-2141)</p>

the passion to drive doors

## Your Ideal Partner for Every Automatic Door System

TORMAX installed Europe's first automatic door in 1951. Today a leading manufacturer of automatic door systems worldwide with 20 group companies and 500+ certified distributors.

TORMAX represents technologically advanced, reliable and innovative door automation. As an independent Swiss industrial company operating globally, we offer the entire range of automatic door systems and ensure their trouble-free operation during their whole life-time.

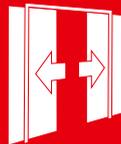
We support you with our capable technical advisers from the planning, production, supervision of construction through to installation, so that you are always able to make the right decisions for your successful project. Your TORMAX partner will be happy to inform you about the suitable door systems, and show you innovative solutions, implement cost-efficient reliable systems, or attend to special requirements.

**Stay in touch with the pioneers of automatic door systems!**

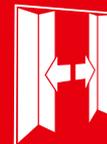
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Swing Door Systems



Sliding Door Systems



Folding Door Systems



Revolving Door Systems